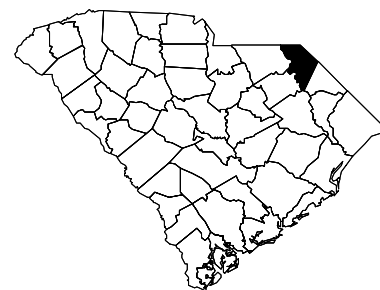


IMPACT OF CHRONIC CONDITIONS MARLBORO County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Marlboro county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Marlboro county's population is similar to the state population. The majority (39%) of the population in Marlboro county are between the ages of 18-44, and there are more females (51%) than males (48%). However, Marlboro county has a higher minority population (55%) than the state (32%). When adults in Marlboro county were asked about their general health status, 79.6% reported having excellent, very good, or good health in 2002 (SC was 83%).

	MARLBORO COUNTY	STATE
Population size	28,682	4,107,183
Age distribution (%)		
<18	24	24
18-44	39	40
45-64	24	24
65-84	11	11
85+	2	1
Race (%)		
White	45	68
Black & Other	55	32
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Marlboro county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	23	27
Sedentary lifestyle	20	42
Overweight	60	60
High Cholesterol	8	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	25.2	.	.	.	.	28.4
Number of hospitalizations	55	38	17	19	36	5,173
Standard rate of hospitalizations (per 100,000)	186	261	111	132	228	125
Median age of hospitalized patients	60	58	73	63	58	63
Total cost of hospitalization (\$)	829,500	461,200	368,300	225,600	603,900	79,350,400
Average length of hospital stay (days)	4	3	5	3	4	5
Number of ED visits	85	67	18	29	56	7,306
Standard rate of ED visits (per 100,000)	291	444	125	202	372	175
Median age of ED patients	40	38	78	43	35	53
Total cost of ED visits (\$)	87,200	70,300	16,900	23,900	63,300	5,902,800
Number of deaths*	1	-	1	-	1	366
Standard death rate (per 100,000)*	4	-	6	-	6	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.74	.	.	.	.	5.13
Number of hospitalizations	209	73	136	132	77	30,831
Standard rate of hospitalizations (per 100,000)	699	533	878	968	454	734
Median age of hospitalized patients	58	58	58	58	63	68
Total cost of hospitalization (\$)	7,979,400	2,471,900	5,507,500	5,306,900	2,672,500	969,122,700
Average length of hospital stay (days)	5	4	6	5	5	5
Number of ED visits	27	13	14	14	13	2,754
Standard rate of ED visits (per 100,000)	90	96	94	104	79	66
Median age of ED patients	73	58	78	73	78	63
Total cost of ED visits (\$)	151,600	55,700	95,900	81,500	70,100	10,617,900
Number of deaths*	116	56	59	63	53	9,723
Standard death rate (per 100,000)*	396	429	381	571	294	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.19	.	.	.	.	2.38
Number of hospitalizations	82	43	39	35	47	14,317
Standard rate of hospitalizations (per 100,000)	275	312	246	271	275	351
Median age of hospitalized patients	78	78	73	58	83	73
Total cost of hospitalization (\$)	1,503,200	804,900	698,300	635,700	867,500	279,819,700
Average length of hospital stay (days)	5	6	5	5	5	6
Number of ED visits	22	14	8	6	16	2,732
Standard rate of ED visits (per 100,000)	74	99	53	46	93	67
Median age of ED patients	78	78	78	78	78	73
Total cost of ED visits (\$)	66,100	45,500	20,600	12,000	54,100	6,322,600
Number of deaths*	16	6	10	6	10	2,816
Standard death rate (per 100,000)*	56	47	65	66	61	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	94	49	45	39	55	14,524
Standard rate of hospitalizations (per 100,000)	321	317	315	305	364	351
Median age of hospitalized patients	53	48	58	53	48	58
Total cost of hospitalization (\$)	1,302,800	706,200	596,600	609,400	693,400	198,700,700
Average length of hospital stay (days)	3	3	4	3	3	5
Number of ED visits	550	386	164	230	320	37,517
Standard rate of ED visits (per 100,000)	1,934	2,424	1,294	1,648	2,240	914
Median age of ED patients	33	23	38	18	38	33
Total cost of ED visits (\$)	462,300	306,500	155,800	206,800	255,500	30,607,600
Number of deaths*	9	1	8	5	4	1,891
Standard death rate (per 100,000)*	32	9	52	49	23	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	8.32	.	.	.	.	8.33
Number of hospitalizations	59	42	17	30	29	8,652
Standard rate of hospitalizations (per 100,000)	203	273	131	211	195	207
Median age of hospitalized patients	53	53	53	48	65	53
Total cost of hospitalization (\$)	829,200	604,800	224,400	471,300	357,900	127,167,500
Average length of hospital stay (days)	4	4	5	5	4	6
Number of ED visits	102	70	32	39	63	9,316
Standard rate of ED visits (per 100,000)	345	470	229	274	405	224
Median age of ED patients	53	60	53	50	63	53
Total cost of ED visits (\$)	95,900	62,200	33,700	37,300	58,600	8,261,100
Number of deaths*	8	7	1	1	-	1,114
Standard death rate (per 100,000)*	28	56	6	14	-	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	129	77	52	42	87	24,644
Standard rate of hospitalizations (per 100,000)	437	531	325	315	558	591
Median age of hospitalized patients	58	53	63	58	58	58
Total cost of hospitalization (\$)	3,751,700	1,848,400	1,903,300	1,711,200	2,040,500	605,119,300
Average length of hospital stay (days)	6	5	8	9	5	6
Number of deaths*	79	39	37	40	39	8,320
Standard death rate (per 100,000)*	267	305	232	333	230	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	3	10	8	5	2,113
Standard rate of hospitalizations (per 100,000)	45	22	65	63	30	51
Median age of hospitalized patients	68	68	70	63	68	68
Total cost of hospitalization (\$)	747,100	122,200	624,900	592,100	155,000	80,248,200
Average length of hospital stay (days)	11	9	12	14	7	10
Number of deaths*	13	7	6	8	5	807
Standard death rate (per 100,000)*	43	54	37	62	31	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	10	8	2	.	10	1,465
Standard rate of hospitalizations (per 100,000)	33	53	11	.	62	35
Median age of hospitalized patients	58	53	58	.	58	63
Total cost of hospitalization (\$)	167,500	115,200	52,300	.	167,500	21,213,600
Average length of hospital stay (days)	2	1	3	.	2	3
Number of deaths*	9	7	2	-	9	630
Standard death rate (per 100,000)*	31	56	13	-	54	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	3	.	5	.	6	5
Median age of hospitalized patients	63	.	63	.	63	48
Total cost of hospitalization (\$)	23,700	.	23,700	.	23,700	3,668,300
Average length of hospital stay (days)	6	.	6	.	-	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	4	10	7	7	2,154
Standard rate of hospitalizations (per 100,000)	46	27	62	56	42	51
Median age of hospitalized patients	55	50	60	58	53	68
Total cost of hospitalization (\$)	480,300	139,000	341,300	266,700	213,600	70,474,400
Average length of hospital stay (days)	9	10	9	11	8	9
Number of deaths*	31	9	20	19	12	2,481
Standard death rate (per 100,000)*	104	66	124	159	70	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,353
Standard rate of hospitalizations (per 100,000)	9	14	7	20	.	32
Median age of hospitalized patients	58	60	53	58	.	68
Total cost of hospitalization (\$)	78,000	59,000	19,000	78,000	.	24,726,200
Average length of hospital stay (days)	6	7	4	6	.	4
Number of deaths*	2	2	-	2	-	478
Standard death rate (per 100,000)*	7	15	-	23	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

For more information about

Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH
Bureau of Epidemiology
SC Department of Health and Environmental Control
1800 St. Julian Place, Suite 406
Columbia, SC 29204
Tel (803) 545-4920

Hospital discharges and ED visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

